



Science Toolkit: Grade 4 Objective 2.A.2.b

Student Handout: Science: Grade 4 Objective 2.A.2.b

Standard 2.0 Earth/Space Science

Topic A. Materials and Processes That Shape A Planet

Indicator 2. Recognize and explain how physical weathering and erosion cause changes to the earth's surface.

Objective b. Cite evidence to show that erosion shapes and reshapes the earth's surface as it moves from one location to another.

Water

Ice

Wind

Selected Response (SR) Item

Question

Use the information below to answer the following.

A teacher gave students four rock samples. The students listed their observations about each rock sample in the data table below.

OBSERVATIONS OF ROCK SAMPLES

	Rock 1	Rock 2	Rock 3	Rock 4
Hardness	Not easily scratched	Not easily scratched	Easily scratched	Easily scratched
Edges	Sharp, rough edges	Smooth, round edges	Sharp, rough edges	Smooth, round edges
Color	Solid black color	Different colored particles	Clear and white particles	Solid gray color
Fossil Evidence	No fossils	No fossils	Leaf fossils	Shell fossils

Which of these statements best explains why the edges of Rock 4 are smooth?

- A. Fire burned the rock.
- B. Mud covered the rock.
- C. The rock tumbled in a river.
- D. The rock melted in a volcano.

Correct Answer

- C. The rock tumbled in a river.

Question

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